

Title (en)

Distributed task queues in a multiple-port storage system

Title (de)

Warteschlangen der verteilten Aufgaben in einem Multiportspeichersystem

Title (fr)

Files d'attente des tâches distribuées dans un système de stockage multiport

Publication

EP 1533690 A3 20080806 (EN)

Application

EP 04256357 A 20041015

Priority

US 70667603 A 20031112

Abstract (en)

[origin: EP1533690A2] A storage system (20), consisting of one or more data storage logical units (LUs) (61) formed in physical media (64, 66, 68, 70). The LUs (61) are adapted to receive commands and responsively to the commands to store and recall data. The storage system (20) further includes a plurality of ports (22, 24, 26), each port (22, 24, 26) being adapted to maintain a respective LU command queue for each of the LUs (61), such that upon receiving a command directed to one of the LUs (61), the port (22, 24, 26) places the received command in the respective LU command queue. The port (22, 24, 26) converts the received command to one or more converted commands at least some of which are directed to the physical media (64, 66, 68, 70) of the one of the LUs (61). The port (22, 24, 26) then conveys the commands directed to the physical media (64, 66, 68, 70) in an order determined by the respective LU command queue.

IPC 8 full level

G06F 3/06 (2006.01)

CPC (source: EP US)

G06F 3/0613 (2013.01 - EP US); **G06F 3/0656** (2013.01 - EP US); **G06F 3/067** (2013.01 - EP US); **G06F 3/0683** (2013.01 - EP US)

Citation (search report)

- [X] WO 03062979 A2 20030731 - ANDIAMO SYSTEMS [US], et al
- [A] US 6421711 B1 20020716 - BLUMENAU STEVEN M [US], et al

Cited by

US8799534B2; WO2013098888A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1533690 A2 20050525; EP 1533690 A3 20080806; US 2005102469 A1 20050512; US 7870334 B2 20110111

DOCDB simple family (application)

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